

Specifications
Video

- ▶ **Input/Output Formats** (NTSC and PAL)
 - Composite (one male BNC)
 - S-video (one Y/C, 4-pin mini-DIN)
 - Serial digital (one male BNC)
- ▶ **Compression Data Rates**
 - MPEG-2: 1.0Mbps to 15Mbps
 - MPEG-1: 200Kbps to 5Mbps
- ▶ **Compression Standards**
 - MPEG-2 — [ISO/IEC 13818, (PART 2)] MP@ML
 - MPEG-1 — [ISO/IEC 11172, (PART 2)]
- ▶ **Resolutions** (Horizontal, Vertical)
 - Full DI H: 720, V: 480/576
 - 3/4 DI H: 544, V: 480/576
 - Half DI H: 352, V: 480/576
 - SIF H: 352, V: 240/288
 - QSIF H: 176, V: 120/144
- ▶ **Multiplexing Formats**
 - Encode/Decode: System, Program and Transport

Audio

- ▶ **Compression Standards**
 - MPEG [ISO/IEC 11172, (Part 3) Layer 2]
- ▶ **Input/Output Formats** (mono and stereo)
 - Analog Unbalanced, line level in; L/R female RCA
 - Digital AES/EBU; one XLR
- ▶ **Sampling Rates** 32kHz, 44.1kHz and 48kHz
- ▶ **Data Rates** 32 to 384Kbps (encode and decode)

Output Interfaces Supported

- ▶ **Ethernet** 10Mbps or 100Mbps standard
UDP/IP female RJ-45
- ▶ **SCSI** 68-pin SCSI

Networking/Control

- ▶ In-band Java-based control software
- ▶ RS-232 and Java APIs

SCSI Interface

- ▶ Save to external SCSI storage
- ▶ Additional buffer for FTP applications

Features and Functionality

- ▶ VTR control
- ▶ Closed captioning
- ▶ Event scheduling
- ▶ Adjustable audio gain
- ▶ VITC slave mode
- ▶ Adjustable video quality and filter controls
- ▶ Audio/video only encoding
- ▶ Differential Services Code Point support for Layer 3 QoS
- ▶ Forward Error Correction (FEC)
- ▶ Packet reordering

Management

- ▶ Minerva Assistant application
- ▶ SNMP support
- ▶ Redundancy Management System (RMS)

Physical and Environmental

- ▶ **Dimensions** 8.5" wide x 2.8" high x 19" deep
(216mm W x 72mm H x 482mm D)
- ▶ **Weight** 15 pounds (6.8 kilograms)
- ▶ **Power** 100–240V AC
- ▶ **Power Supply** 100 watts
- ▶ **Temperature** Operating 5 to 60°C, Storage: –20 to +60°C
- ▶ **Approvals** FCC Part 15 Class A; UL, CE, TUV, VCCI

Video Network Platform Part Numbers & Features	VNP-100	VNP-150	VNP-151	VNP-200	VNP-201	VNP-D200	VNP-DA200
MPEG-1 Encoding 4:2:0 ML@MP	Yes	Yes	Yes	Yes	Yes	No	No
MPEG-1 Decoding 4:2:0 ML@MP	No	No	Yes	No	Yes	Yes	Yes
MPEG-2 Encoding 4:2:0 ML@MP	No	Yes	Yes	Yes	Yes	No	No
MPEG-2 Decoding 4:2:0 ML@MP	No	No	Yes	No	Yes	Yes	Yes
Horizontal Resolution	352	368, 352	368, 352	720, 544, 368, 352	720, 544, 368, 352	720, 544, 368, 352	720, 544, 368, 352
Vertical Resolution (N=NTSC, P=PAL)	N: 240, P: 288	N: 480, 240, P: 576, 288	N: 480, 240, P: 576, 288	N: 480, 240, P: 576, 288	N: 480, 240, P: 576, 288	N: 480, 240, P: 576, 288	N: 480, 240, P: 576, 288
Bit Rate Range MPEG-1	200Kbps–5Mbps	200Kbps–5Mbps	200Kbps–5Mbps	200Kbps–5Mbps	200Kbps–5Mbps	200Kbps–5Mbps	200Kbps–5Mbps
Bit Rate Range MPEG-2	No	1Mbps–15Mbps	1Mbps–15Mbps	1Mbps–15Mbps	1Mbps–15Mbps	1Mbps–15Mbps	1Mbps–15Mbps
Full Duplex Ethernet	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SCSI	No	No	Yes	No	Yes	No	No
Inputs/Outputs	Analog	Analog	Digital/Analog	Analog	Digital/Analog	Analog Out, Digital Out	Analog Out